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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
In re Application of Bosma et al
Serial No.: 09/183,380
Filed: 30-Oct-1998
Title: **WIRE-BOUND TELECOMMUNICATION DEVICE AND A CIRCUIT FOR USE IN SUCH A DEVICE**

Atty. Docket No.: PHN 16-611

Group Art Unit: 2644

Examiner: Tran, Con P

Official

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Honorable Commissioner of Patents and Trademarks
Washington, D.C. 20231

Amendment/Reply to Office Action

Sir:

Enclosed is a reply in the above-identified application in response to the Office Action dated 19 February 2003.

REMARKS

The Examiner has rejected claims 1-10 under 35 U.S.C. 112, first paragraph, as containing subject matter that was not described in the specification. The Applicants respectfully traverse this rejection.

The Applicants specifically claim determining a time domain signal that represents the signal energy of a substantial entirety of a signal on a subscriber line. The Examiner asserts that the specification lacks a teaching as to "the particular operation of the signal energy detecting arrangement regarding a substantial entirety of the signal." The Applicants respectfully traverse this assertion.

Applicants' FIG. 1 discloses a signal energy detecting arrangement 10 that is coupled directly across the incoming subscriber line 4, and at page 3, lines 22-24, the Applicants specifically teach that the "subscriber line 10 and the FSK detector 11 are coupled parallel to the subscriber line 4". The Applicants respectfully note that when a detecting device is coupled in parallel to a line, it must, by definition, detect energy corresponding to the entirety of the signal on that line. That is, for example, if the signal-detecting device 10 is a conventional voltmeter, connecting the voltmeter in parallel to the line 4 will produce a voltage measurement corresponding to the entirety of the voltage on that line. Absent a defect in the voltmeter, it cannot measure anything except the entirety of the voltage.

The prior-art devices, such as taught by Battista (USP 5,519,774), include one or more filter elements between the subscriber line and the energy measuring device, and